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## Antigenic relationship among antihemorrhagic factors from snake and opossum plasmas.

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Immunological relationships among antihemorrhagic factors (AHF) present in the plasma of different snakes and a mammal (opossum) were studied. Antibodies were prepared against purified Bothrops jararaca and *Didelphis marsupialis aurita* (opossum) AHF. The antigen-antibody reaction was determined by direct ELISA and by the competition of homologous antigen-antibody reaction with a heterologous competitor antigen. Plasmas from several snakes and from opossum were used as antigens. Anti-AHF (*B. jararaca*) reacted only with snake plasmas. Antibody against opossum AHF was detectable only when the homologous antigen was used. Differences in the reactivity of snake plasmas with antibodies against *B. jararaca* were demonstrable only when a competition assay was used: *B. alternatus* showed a reaction pattern similar to that of *B. jararaca* while *Crotalus durissus terrificus* and the nonvenomous snake, *Wanglerophis merremii*, presented reduced reactivity.

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